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Cat. No. 14-542

OWNER'S MANUAL

Please read before using this equipment.

CD-3318

Portable CD Boom Box with Double Cassette Recorder and AM/FM Stereo

Radio Shack

FEATURES

Your Radio Shack CD-3318 combines a compact disc player, an AM/FM radio, and a dual-cassette deck system into an all-in-one portable package. You can use the CD-3318 indoors or out, at work or play.

Its Extended Bass system lets you hear powerful, heavy bass while listening to the radio, a CD, or cassette

CD PLAYER FEATURES

Automatic Search Music System (ASMS) — lets you quickly locate and play any track on a CD.

Programmable Play — lets you program and play up to 16 tracks in any sequence.

Repeat Play — repeatedly plays a single track, the entire CD, or a programmed sequence of tracks.

Pause — lets you temporarily stop playback of a CD and start it again from the same point.

Shuffle Play — randomly selects and plays tracks from the loaded CD.

Intro Scan — helps you locate a desired track by playing the first 10 seconds of each track on a CD.

CASSETTE DECK FEATURES

Dual Cassette Decks — lets you play cassette tapes from either of two decks or record from one deck to the other.

Consecutive Play — automatically plays one side of the second tape when one side of the first tape ends.

Multiple-Source Recording — lets you record from the CD player, radio, or cassette deck.

Synchronous Recording System — simplifies recording from the CD player or cassette player to a cassette tape.

Automatic Level Control — automatically adjusts the recording level.

High-Speed Dubbing — copies tapes at twice the normal speed.

For your records, we recommend you record the serial number of the CD-3318 in the space provided. The serial number is in the battery compartment.

Serial Number _____

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Radio Shack is a registered trademark used by Tandy Corporation.

The CD player in this stereo system is made and tested to meet exacting safety standards. It meets UL and FCC requirements and complies with safety performance standards of the U.S. Department of Health and Human Services. With proper care, this CD player should give you years of trouble-free service.

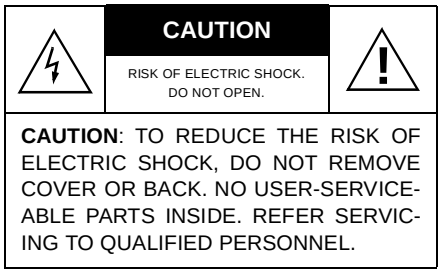
CDs that can be played on this player have this mark on them:

Note: Most material on compact discs and prerecorded tapes is copyrighted. Unauthorized duplication of copyrighted material is a violation of the copyright laws of most countries and such duplication may result in fines and/or imprisonment. Note, however, that in the United States, it is not a violation of U.S. copyright laws for a consumer to use an audio recording device to duplicate musical recordings for noncommercial (personal) use.

Warning: This system employs a laser light beam. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

Warning: The use of controls, adjustments, or procedures other than those specified herein may result in hazardous radiation exposure.

Warning: To prevent fire or shock hazard, do not expose this product to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN.
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.

This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

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PREPARATION

CONNECTING POWER

You can power the CD-3318 from any of the following:

- AC power using the supplied AC power cord
- Eight D batteries (not supplied)
- Vehicle battery power using a DC-to-AC inverter (not supplied)

Using AC Power

To power the CD-3318 from standard AC power, plug the supplied AC power cord into the **AC IN~** jack, then plug the other end into a standard AC outlet.

Caution: The supplied AC power cord has a polarized plug that fits into the outlet only one way. If the plug does not fit properly, turn it over and try again. Do not force it.

Note: The CD-3318 automatically disconnects internal batteries when you connect the AC power cord.

Using Batteries

You can power the CD-3318 from eight D batteries (not supplied). For the best results, we recommend alkaline batteries (such as Radio Shack Cat. No. 23-550).

1. Press the two latches on the battery compartment cover and pull out the cover to remove it.
2. Place the eight D batteries in the compartment as indicated by the polarity symbols (+ and –) marked next to the battery compartment.

   Cautions:

   - Use only fresh batteries of the required size and type.
   - Never mix old with new batteries.
   - If you do not plan to use the batteries in the CD-3318 for a month or more, remove the batteries to protect the CD-3318 from possible battery leakage.
3. Replace the battery compartment cover.

If the CD-3318 does not operate properly or if the sound weakens or distorts, replace the batteries.

Cautions:

- Always dispose of the old batteries promptly and properly.
- Never leave dead, old, or weak batteries in the CD-3318. They can leak chemicals and corrode or damage electronic circuits.

Using Your Vehicle's Battery

You can power the CD-3318 from your vehicle's battery using a DC-to-AC inverter (such as Radio Shack Cat. No. 22-132, not supplied).

Cautions:

- To protect your vehicle's electrical system, always plug the AC power cord into **AC IN~** and the inverter before you plug the inverter into the cigarette lighter socket. Always unplug the inverter from the cigarette lighter socket before you unplug the AC power cord from **AC IN~** and the inverter.
- The recommended inverter supplies 120 volts AC power and delivers at least 315 milliamps. Using an inverter that does not meet these specifications could damage the CD-3318.

1. Plug the supplied power cord into the **AC IN~** jack on the back of the CD-3318.
2. Plug the AC power cord into the power inverter's AC jack.
3. Plug the power inverter into your car's cigarette lighter socket.

Note: If the CD-3318 does not operate properly when you use the inverter, unplug the inverter from the cigarette lighter socket and clean the socket to remove ashes and debris. Also, check the AC power cord for proper connection. If it still does not operate properly, check the fuse in the inverter.

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USING HEADPHONES

For private listening, you can connect a pair of stereo headphones (not supplied) with a 1/8-inch plug. Your local Radio Shack store carries a wide selection of stereo headphones.

To connect the headphones, insert the headphones' 1/8-inch plug into the **PHONES** jack.

Note: Connecting the headphones automatically disconnects the built-in speaker.

Listening Safely

To protect your hearing, follow these guidelines when you use headphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

Traffic Safety

Do not wear headphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and is illegal in some areas.

Even though some headphones are designed to let you hear some outside sounds when listening at normal volume levels, they still present a traffic hazard.

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RADIO OPERATION

Warning: To protect your hearing, set **VOLUME** to its lowest setting before you turn on the radio.

Follow these steps to use the radio.

1. Set **RADIO.CD OFF** to **RADIO** to turn on the radio. The POWER indicator lights.

2. Set **BAND** to **FM** or **AM**.

3. Adjust **TUNING** to the desired station.

4. Set **BEAT CUT** to **1** or **2** for stereo sound on FM stations.

Notes:

- The FM-STEREO indicator lights when you receive an FM signal in stereo.
- If FM stereo reception is noisy, set **BEAT CUT** to **0**. The sound is no longer in stereo, but reception should improve.
- For the best AM reception, rotate the CD-3318 to position the built-in AM antenna.
- For the best FM reception, fully extend the telescoping antenna and swivel it to the position that produces the best reception.

5. Adjust **VOLUME** and **TONE** to the desired levels.

6. Press **E-BASS** to enhance the bass sounds while playing the radio. Press the button again to turn the extended bass system off.

7. Set **RADIO.CD OFF** to **TAPE** to turn off the radio.

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CD PLAYER OPERATION

LOADING A CD

1. Set **RADIO.CD OFF** to **CD**. The POWER indicator lights, and **dISC** appears in the display.

2. Press **PUSH OPEN** on the CD compartment cover. The CD compartment opens.

3. Place a CD in the compartment with the label facing up.

4. Close the compartment door. Within a few seconds, the display shows the CD's total number of tracks and total playing time.

PLAYING A CD

1. After loading a CD, press **PLAY/ PAUSE** ►II. The CD player plays the CD starting with the first track. The display shows ▷, the current track number, and the elapsed time.

Notes:

- To repeat, skip over, or search for tracks, see "Special CD Player Features."
- A sudden shock or jolt while a CD is playing might suddenly change the CD's rotation speed or cause the CD player to skip the track it is playing and, as a result, mute or distort the sound momentarily. This is not a malfunction.

2. Adjust **VOLUME** and **TONE** to the desired levels.

Warning: Your CD-3318 CD player has a wide dynamic range. If you turn the volume too high during the low volume sections of a program, you might damage your hearing during sudden loud sections.

3. Press **E-BASS** to enhance the bass sounds while playing the CD. Press the button again to turn the extended bass system off.

4. To temporarily stop play, press **PLAY/PAUSE** ►II. II appears on the display. Press **PLAY/PAUSE** ►II again to resume play.

5. To completely stop play, press **STOP/CLEAR** ■.

Note: If you do not stop the CD player, it plays to the end of the last track and automatically stops. When the CD player is stopped, ▷ disappears from the display and the total number of tracks appears.

6. To remove the CD, press **PUSH/ OPEN** after the CD stops turning.

Caution: Remove a loaded CD before you move the CD-3318 to prevent possible damage to the CD or the CD player.

PROGRAMMING TRACKS

Storing/Playing a Programmed Sequence

You can program the CD player to play up to 16 tracks in any order you choose.

1. If a CD is playing, press **STOP/ CLEAR** ■ to stop it. The CD's total number of tracks and total playing time appear on the display.

2. Press **PROGRAM**. PROGRAM and **00 P- 01** (the first memory position) appear on the display.

3. Select the track you want by pressing **SKIP** ⏮ or ⏭. The track number you selected appears on the display.

   Note: To select track 10 or a track number greater than 10, press **+10**. The track number changes in increments of ten.

4. Press **PROGRAM**. The selected track is stored, and the next program number appears on the display.

5. Repeat Steps 3 and 4 to store up to 16 tracks.

   Notes:

   - You can store the same track more than once.
   - When the 16 tracks of the sequence are programmed, **-01** and the first track's number appear on the display.

6. To complete programming and play the programmed sequence, press **PLAY/PAUSE** ⏯. The CD player begins playing the first track of the programmed sequence. The display shows the play indicator, the current track number, and the current track's elapsed playing time.

Notes:

- Programming is not completed until you press **PLAY/PAUSE** ⏯.
- To repeat, skip over, or search for tracks, see "Special CD Player Features."

Checking a Programmed Sequence

To check the programmed sequence, while the CD is stopped, repeatedly press **PROGRAM**. The display shows each stored track number.

Erasing a Programmed Sequence

Any of the following will erase a programmed sequence:

- Press **STOP/CLEAR** ■ until PROGRAM clears from the display and the CD's total number of tracks and playing time appear.
- Press **STOP/CLEAR** ■. Then press **PUSH OPEN** after the CD stops turning.
- Set **RADIO.CD OFF** to either **TAPE** or **RADIO**.
- Disconnect the power source.

SPECIAL CD PLAYER FEATURES

Automatic Search Music System (ASMS)

You can use ASMS to search through the CD to select a desired track or programmed sequence.

To select a track during play:

- Press and release **SKIP** ⏮ to return to the beginning of the current track.
- Press and release **SKIP** ⏭ to skip forward to the beginning of the next track.
- Repeatedly press **SKIP** ⏮ or ⏭ to skip backward or forward through additional tracks.

Notes:

- If you press **SKIP** ⏮ while the first track is playing, the first track replays.
- If you press **SKIP** ⏭ while the last track is playing, the CD-3318 skips the rest of the last track and begins playing the first track.

To select a track while the CD player is stopped, press **SKIP** ⏮ or ⏭ until the desired track number appears on the display. The track begins playing automatically.

To select a track while the CD player is paused, press **SKIP** ⏮ or ⏭ until the desired track number appears on the display. Then press **PLAY/ PAUSE** ⏯ to play the track.

Audible Search

While playing any track on a CD, you can press and hold down **SEARCH** ⏩ or ⏪ to search through the track to find a desired section. You hear the music at a higher speed and lower volume while the CD player searches.

- Press and hold down **SEARCH** ⏩ for forward search.
- Press and hold down **SEARCH** ⏪ for reverse search.

To resume normal play, release **SEARCH** ⏩ or ⏪**.**

Repeat Play

You can repeat a single track, the entire CD, or a programmed sequence.

- To repeat a single track, press **MODE** before or during play. REPEAT appears on the display and the CD player repeatedly plays the selected track.
- To repeat the entire CD, press **MODE** twice before or during play. REPEAT ALL appears on the display, and the CD player repeatedly plays the entire CD.
- To repeat a programmed sequence, press **MODE** twice before or during programmed play. PROGRAM and REPEAT ALL appear on the display and the CD player repeatedly plays the programmed sequence.

To cancel repeat play at any time, press **MODE** until REPEAT or REPEAT ALL disappears from the display.

Intro Play

During intro play, the CD player scans through all the CD's tracks, playing the first 10 seconds of each track.

Note: Intro play does not work with a programmed sequence.

While the CD player is stopped, press **MODE** until INTRO appears on the display. Then press **PLAY/PAUSE ►II**. The CD player plays the first 10 seconds of each track.

After it plays the first 10 seconds of the last track during intro play, the CD player stops playing and the display shows the total number of tracks and the total playing time.

During intro play, if you want to listen to a specific track within 10 seconds after it begins playing, press **PLAY/PAUSE ►II** again to turn off intro play and resume normal play.

Shuffle Play

During shuffle play, the CD player plays all the tracks on a CD once, selecting them in random order.

Notes:

- None of the tracks are played more than once.
- Shuffle play does not work with a programmed sequence or repeat play.

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- You must select shuffle play before playback. If you select shuffle play while a CD is playing, SHUFFLE appears on the display but the function does not work.

Before play, press **MODE** until SHUFFLE appears on the display. Then press **PLAY/PAUSE ►II**. The CD player selects and plays each of the tracks randomly. After all of the tracks have played once, the CD player automatically stops.

Using DISPLAY

During play, if you press **DISPLAY** once, the display shows the number of tracks and time remaining on the CD. Press it again to see the total number of tracks and playing time of the disc. Press it once more to return to the display showing the current track number and the elapsed track time.

CD CARE TIPS

Even though a compact disc is very durable, treat the CD surface with care. We recommend the following precautions:

- Do not place anything but a CD in the disc tray. This can damage the drive mechanism.
- Do not write on either side of the CD, particularly the non-label side. (Signals are read from the non-label side.)
- Do not store CDs in high-temperature, high-humidity locations. The CDs might warp.
- Keep CDs dry. A water drop can act as a lens and affect the laser beam's focus.
- Always handle a CD by the edges to avoid getting fingerprints on the CD and always keep it in its protective case or sleeve when not in use. Fingerprints and scratches on the CD's surface can prevent the laser beam from correctly reading the digital information. To clean the CD surface, use a CD Cleaner Kit (such as Cat. No. 42-225).
- If you move the player from a cold place to a warmer one, moisture might condense on the pickup lens, preventing proper disc play. If this happens, wait 2 hours before attempting to operate it again.

CASSETTE PLAYER OPERATION

Your CD-3318 uses a dual-cassette deck system, which lets you play cassette tapes from either of two decks and record from a variety of sources.

LOADING A CASSETTE TAPE

Note: Take up any slack in the tape by turning the cassette's hub with a pencil. If you do not remove excess slack, the tape might become tangled in the record/playback mechanism. Avoid touching the tape.

1. Press **STOP/EJECT ■/⏏** to open the cassette compartment cover.

2. Insert the cassette tape into the tape guides on the compartment door with the side you want to play facing you and the exposed tape edge facing down.

3. Close the cover.

PLAYING A CASSETTE TAPE

Single Play

After loading a cassette tape in either deck, follow these steps to play it.

1. Set **RADIO.CD OFF** to **TAPE**.

2. Press **PLAY ►** on the appropriate deck. The POWER indicator lights and the tape player plays the cassette tape until it reaches the end, then it automatically stops.

   Notes:

   - To temporarily stop playback, press **PAUSE ▮▮**. Press **PAUSE ▮▮** again to resume playback.

- To rapidly wind the tape forward or backward, press **FAST-F** ►► or **REWIND** ◄◄. The cassette deck automatically stops at the end of the tape.

- Be sure the cassette player is stopped before fast-forwarding or rewinding a cassette tape.
- Always remove and store cassette tapes when you are not using them.

3. Adjust **VOLUME** and **TONE** to the desired levels.
4. Press **E-BASS** to enhance the bass sounds while playing the cassette player. Press the button again to turn the extended bass system off.
5. To manually stop play, press **STOP/EJECT** ■/▲. The POWER indicator turns off. Press **STOP/EJECT** ■/▲ again to open the cassette compartment and remove the tape.

Consecutive Play

The CD-3318 can play one side of a tape loaded in Tape 1, then one side of a tape loaded in Tape 2. Load a cassette tape in each deck, then press **PLAY** ► on Tape 2. Next, simultaneously press **PAUSE** ▮▮ and **PLAY** ► on Tape 1.

The tape in Tape 2 plays until it reaches the end of the side. Then Tape 2 stops, and Tape 1 plays until the tape reaches the end of the side.

RECORDING ON A CASSETTE TAPE

You can record from the CD player or radio to a cassette tape in Tape 1, or dub (copy) from a cassette tape in Tape 2 to a tape in Tape 1.

Notes:

- Before recording, be sure the erase-protection tabs are in place on the cassette tape you are recording onto (see “Preventing Accidental Erasure”).
- Before you load a cassette tape for recording, turn the cassette’s hub with your finger or a pencil to move the tape past its leader.

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- The CD-3318's Automatic Level Control (ALC) automatically adjusts the recording level. **VOLUME** and **TONE** have no effect on recording.
- Tape quality greatly affects the quality of the recording. We recommend regular length (60- or 90-minute) cassette tapes. For low-noise, wide-range recordings, use normal-bias tape.

Recording from a CD

1. Load the CD you want to copy into the CD player.
2. Load a blank tape (or one you want to record over) into Tape 1.
3. Set **RADIO.CD OFF** to **CD**. The POWER indicator lights.
4. Select the desired CD track or program a sequence (if you do not want to record the entire CD in order). Press **PLAY/PAUSE ►▮▮** to pause the CD player. ▮▮ appears.
5. Press **RECORD ●** on Tape 1. **RECORD ●** and **PLAY ►** lock down, the CD player automatically begins playing, and Tape 1 begins recording from the **CD.** ▷ and SYNC appear on the display.

   Caution: If you use a cassette tape with the erase-protection tabs removed, do not force down **RECORD ●**. This can damage the mechanism. See "Preventing Accidental Erasure."

Notes:

- To temporarily stop recording, press **PAUSE ▮▮**. Press **PAUSE ▮▮** again to resume recording.
- To stop recording, press **STOP/EJECT ■/⏏**. To stop the CD player, press **STOP/CLEAR ■**.

Recording from the Radio

1. Load a blank tape (or one you want to record over) into Tape 1.
2. Set **RADIO.CD OFF** to **RADIO**. The POWER indicator lights.
3. Set **BAND** to **FM** or **AM**.

   Note: If you record broadcasts from AM radio, you might hear a low-volume hum when you play back the recording. If this occurs, set **BEAT CUT** to a different position and try again.

Beat Cut

4. Adjust **TUNING** to the station you want to record.
5. Press **RECORD** on Tape 1 to begin recording. **RECORD ●** and **PLAY ►** lock down, and Tape 1 begins recording from the radio.

Caution: If you use a cassette tape with the erase-protection tabs removed, do not force down **RECORD** ●. This can damage the mechanism. See "Preventing Accidental Erasure."

Notes:

- To temporarily stop recording, press **PAUSE** ▮▮. Press **PAUSE** ▮▮ again to resume recording.
- To stop recording, press **STOP/EJECT** ■/⏏.

Dubbing (Copying) Tapes

You can copy from one cassette tape to another at normal or high speed.

Follow these steps to copy a cassette tape.

1. Load the tape you want to copy into Tape 2.
2. Load a blank tape (or one you want to record over) into Tape 1.
3. Set **RADIO.CD OFF** to **TAPE**.
4. Press **HI-SPEED DUBBING** to dub at twice the normal speed.

   Note: High speed dubbing produces a slightly lower quality recording, but is useful for quicker recording.
5. Press **PAUSE** ▮▮ then **RECORD** ● on Tape 1. **PAUSE** ▮▮, **RECORD** ●, and **PLAY** ► lock down.

   Caution: If you use a cassette tape with the erase-protection tabs removed, do not force down **RECORD** ●. This can damage the mechanism. See "Preventing Accidental Erasure."
6. Press **PLAY** ► on Tape 2. Tape 1 automatically releases **PAUSE** ▮▮ and copying begins from Tape 2 to Tape 1.

Notes:

- To temporarily stop copying, press **PAUSE** ▮▮ on both tape decks. Press **PAUSE** ▮▮ again to resume recording.
- Press **STOP/EJECT** ■/⏏ on both decks to stop copying.

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TAPE CARE TIPS

Preventing Accidental Erasure

Cassette tapes have two erase-protection tabs — one for each side. To protect a recording from being accidentally recorded over or erased, use a screwdriver to remove one or both of the cassette tape's erase-protection tabs.

If you want to record over a tape side after you have removed the erase-protection tab, place a piece of strong plastic tape over that side's erase-protection hole.

Notes:

- Be sure you cover only the hole originally covered by the erase-protection tab.
- Removing the erase-protection tabs does not prevent a bulk eraser from erasing a cassette tape.

Erasing a Cassette Tape

If you no longer want a recording, you can record over it or erase it.

- To erase the entire cassette tape, record silence by setting the **RADIO.CD OFF** switch to **TAPE** or **CD** (with no other tape or CD loaded) and press **RECORD** ● on Tape 1.
- To quickly erase a tape, use a bulk tape eraser (such as Radio Shack Cat. No. 44-232, not supplied).

Restoring Tape Tension and Sound Quality

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then completely rewind it. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.

Caution: Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.

CARE AND MAINTENANCE

Your Radio Shack CD-3318 is an example of superior design and craftsmanship. The following suggestions will help you care for the CD-3318 so you can enjoy it for years.

Keep the CD-3318 dry. If it gets wet, wipe it dry immediately. Water contains minerals that can corrode electronic circuits.

Handle the CD-3318 carefully. Dropping it can damage the case and circuit boards and cause the CD-3318 to work improperly.

Use the CD-3318 only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and warp or melt plastic parts.

Keep the CD-3318 away from dust and dirt, which can cause premature wear of parts.

Wipe the CD-3318 with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the CD-3318.

Modifying or tampering with the CD-3318s internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If the CD-3318 is not performing as it should, take it to your local Radio Shack store for assistance.

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FCC INFORMATION

This equipment complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- Reorient or relocate the radio or TV's receiving antenna
- Increase the distance between the CD-3318 and the radio or TV
- Use outlets on different electrical circuits for the CD-3318 and the radio or TV

Consult your local Radio Shack store or an experienced radio/TV technician if the problem still exists.

CLEANING THE TAPE-HANDLING PARTS

Dirt, dust, or particles of the tape's coating can accumulate on the tape heads and other parts that the tape touches. This can greatly reduce the performance of the CD-3318. Use the following cleaning procedure after every 20 hours of tape player operation.

1. Remove the batteries and disconnect any other power source.
2. Open the cassette compartment door.
3. Press **PLAY** ► on Tape 1 or Tape 2 to expose the parts you need to clean.
4. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the record/play heads, pinch rollers, capstans, tape guides, and erase heads.

Tape 1

Tape 2

5. When you finish cleaning, press **STOP/EJECT** ■/⏏, close the cassette compartment door, and reconnect power.

Your local Radio Shack store sells a complete line of cassette deck cleaning supplies.

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SPECIFICATIONS

CASSETTE DECK

Tape Speed ..... $1^7/_8$ ips (4.8 cm/sec.)
Tape System ..... 4 Track/Side/Stereo
Signal to Noise Ratio ..... 40 dB
Channel Separation ..... 35 dB

CD PLAYER (Test Point at CD Output)

Type ..... CD Player with Optical Pickup
Channels ..... Two Channels (Stereo)
Frequency Response ..... 20 Hz to 20 kHz
Digital Filter ..... 8 times Oversampling
Signal to Noise Ratio ..... 80 dB (400 Hz HPF/30/ kHz LPF)
Wow and Flutter ..... Unmeasurable
Programmable Memory ..... 16 Tracks

RADIO

Frequency Range
- FM ..... 88 MHz to 108 MHz
- AM ..... 530 KHz to 1710 KHz

Antennas
- FM ..... Rod
- AM ..... Ferrite Bar

Usable Sensitivity
- FM (S/N 30 dB) ..... 6 mV
- AM (S/N 20 dB) ..... 470 mV/m

Distortion
- AM 2%
- FM 1%

Image Rejection Ratio
- AM ..... 45 dB
- FM ..... 30 dB

Signal to Noise Ratio
- AM ..... 40 dB
- FM ..... 50 dB

GENERAL

Output Power (10% THD) ..... 4 Watts/Channel DC

Speakers ..... Two 100 mm

Power Supply ..... AC 120V/DC 12 V

Dimensions (HWD) ..... $7^{13}/_{16} \times 21^{1}/_{2} \times 8^{7}/_{8}$ inches ($199 \times 546 \times 226$ mm)

Weight ..... 12 lbs. 2 oz. (5.5 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

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RADIO SHACK LIMITED WARRANTY

This product is warranted against defects for 90 days from date of purchase from Radio Shack company-owned stores and authorized Radio Shack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your Radio Shack sales slip** as proof of purchase date to any Radio Shack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

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We Service What We Sell *9/94*

RADIO SHACK
A Division of Tandy Corporation
Fort Worth, Texas 76102

8A5 Printed in Indonesia